

OLT 97xx Series

1U GPON 8P / 16P Passive Optical Line Terminal



- Compliance with ITU-T G.988 and operator related standards
- Each PON port supports up to 128 GPON ONU
- Support of ONU automatic registry
- Support of DBA (Dynamic Bandwidth Allocation)
- Support TR069
- Support ONU remote batch upgrade
- Support of QinQ based on port or service flow
- Support of VLAN add, remove, translate and transparent per ONU service flow based
- Support IGMPv1 / v2 / v3
- Support MLD Snooping / Proxy
- Support service flow rate limit of both upstream and downstream
- Configuring L3 interface addresses
- Support MAC filtering Support of binding among IP, MAC, VLAN and port
- Support user classification to prevent unauthorized users from illegal invasion
- Support the management based on the command line interface (CLI)
- Support the network management of NMS based on SNMP

TAINET's GPON OLT 97xx is high density 1U pizza box, it adopts the advanced technology and Broadcom ASIC chip. OLT 97xx is fully compliant with ITU-T G.988 GPON standards, can interwork with different types of ONU from different vendors. It is based on the mature and robust TAINET OS software platform from TAINET system has high reliability and stability. OLT 97xx supports network management via CLI and SNMP, with good user interface, easy to operate.

TAINET's GPON OLT provides the highest GPON port density in 1U box in the industry, which has 16 ports GPON, 2 ports 10GE or 8 ports GE uplink. Single GPON port can manage 128 ONUs, one equipment can manage up to 2048 ONUs. The device is easy to install and commissioning, minimizing operators' investments, it is the best suitable for service provider to deploy GPON based FTTH network.



OLT 97xx+ – Optical Line Terminal

- OLT 9708/8P: 8 PON, 2*10 Gigabit (SFP+) or 8*Gigabit Ethernet
- OLT 9716/16P: 16 PON, 2*10 Gigabit Ethernet (SFP+) + 8*Gigabit Ethernet

Ethernet Features

- Multicast:
 - IGMPv1 / v2 /v3
 - IGMP & MLD Snooping/Proxy
 - Static multicast & Inter-VLAN configuration
- Management Port:
 - Bidirectional bandwidth control
 - Static and LACP aggregation groups
 - Port mirrors and service mirrors
 - Port SFP information reading
 - Port RSSI configuration and alarm
- Power Supply & Consumption:
 - 1 plus 1 AC: Input 100~240V, 47~63Hz
 - 1 plus 1 DC: Input -40.5V~72V
 - Normal Temperature: 73W(8GE) / 88W(16GE)
 - High Temperature: 87W(8GE) / 105W(16GE)

Security Features

- Port and ONU isolation function
- Anti-Dos attacks
- Flow classification and flow definition based on IP header
- Port broadcast / multicast packet suppression
- L2-L7 ACL flow classification at packet depth of 80 bytes

PON Features

- 5 types bandwidth profile
- Ranging and logical distance configuration
- Upstream and downstream FEC enabling/disabling
- AES encryption
- ONU service batch upgrade
- Configure ONU management IP
- ONU UNI port MAC address filtering & status check
- PON port and ONU RSSI related attributes alarm
- ONU capability set query
- Loop detection supporting remote ONU
- ONU MAC-move alarm

Layer 3 Router Function

- DHCP-Replay, Snooping, Option 82
- Arp-agent
- Configuring L3 interface addresses
- Static & Default routing

QoS

- Downlink simple scheduling and hierarchical scheduling
- Support QoS into the queue mapping up and down
- Queue priority scheduling (SP/WRR/SP+WRR) function

Dimension

OLT 9708/8P

- 445(W) x340(D) x 44.5(H) mm
- 487(W) x340(D) x 44.5(H) mm (With hanger)

OLT 9716/16P

- 445(W) x340(D) x 44.5(H) mm
- 487(W) x340(D) x 44.5(H) mm (With hanger)

Operating Environment

- Operation Temperature: -5 °C ~ 50 °C
- Storage Temperature: -40 °C ~ 70 °C
- Humidity: 10~90%, non-condensing

